

## Justin W. Opitz

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## RELEVANT EXPERIENCE

### Speakerheart - [link](#)

*Franklin, TN (September 2007 – May 2008)*  
*Senior Flex Consultant/Architect (contract, telecommute)*

- Flex developer and architect for ground-up development on v1.5 phase
- Refactoring of v1.2 features, bugs, new features
- Agile/SCRUM methodology used for iterative task completion

Speakerheart is a new music RIA designed to bring the experience of shopping on the iTunes store together with the profile viewing features of MySpace. I came on board to help finish up the v1.0 release and to help guide future release of the application by providing architectural guidance. Speakerheart allows users to browse, upload and sell their own music while cutting out the big business of the recording industry.

This project is especially appealing to me as it resonates with my musical background. Speakerheart v1.5 will make use remoting, a better user experience and many custom components users have come to expect in a RIA experience.

#### **Technologies used:**

*Flex, Flash, ActionScript, Cairngorm, AppCoreLib, OOP, FlexUnit, Remoting, XML, CSS, SVN, URLKit, Google Analytics*

### Fidelity (FeB)

*Boston, MA (October 2006 – September 2007)*  
*Senior Flex Consultant (contract)*

- UI Developer for FeB stocks application
- Refactoring of customer core classes for reuse in other FeB applications
- Agile/SCRUM methodology used for iterative task completion
- User Interface, Information Architecture & Application Flow

Fidelity is in the process of reinventing their customer web applications using Flex, AJAX and other technologies. The Agile/SCRUM methodology was used to break the project up into several releases then into subsequently smaller phases: releases => iterations => stories => tasks. I was hired as a principle Flex developer to help bridge the gap between development and design.

#### **Technologies used:**

*Flex, Flash, ActionScript, Cairngorm, OOP, Unit Testing, FlexUnit, RESTWeb Services, JSP, XML, CSS, SVN, Continuous Integration*

### Mindseye (Hanover RIA prototype) - [link](#)

*Boston, MA (July 2006 – August 2006)*  
*Lead Flex Developer*

- Flex 2.0 web application prototype

- Implementation of modified Cairngorm 2 framework
- User Interface, Information Architecture & Application Flow

Hanover hired Mindseye to design/develop a prototype web application for their personal homeowners underwriting agents. Their current underwriting application was over 6 years old and had a poor user flow with many redundant data points. I helped restructure the user flow so as to minimize the redundant data points, organize the data object model into a more logical structure, and I handled all the code architecture.

***Technologies used:***

*Flex, Flash, ActionScript, Cairngorm, OOP, Web Services, XML*

**Mindseye (Healthgrades RIA) - [link](#)**

*Boston, MA (April 2006 – July 2006)*

*Flex, Flash Developer*

- Implementation of Cairngorm/Rich-Internet-Application framework
- ClientID-specific access permissions for various modules within application
- Server request calls for complex data objects
- Deeply nested visual content built dynamically from requested data
- MXML/ActionScript-based custom components

I came onto this project after it was planned and started. Shortly thereafter our lead developer left the company. I was charged with developing several of the main application components, interpreting and integrating other developers' custom components and working with Healthgrade's DBAs to create and structure web service calls for bidirectional communication.

***Technologies used:***

*Flex 1.5, ActionScript, Cairngorm, OOP, Web Services, XML*

**Harvard University (Allston Initiative) - [link](#)**

*Cambridge, MA (October 2005 – November 2005)*

*Flash Consultant/Architect (contract,)*

- Dynamic menu item population via XML data
- Interactive Slideshow application
- Virtual Room application (VR360°)
- Morphing 3D model slideshow

I worked closely with the Planning Dept. to create this information site which incorporates existing non-flash content with interactive flash content. I made considerable use of the Tween class to make the dynamic content's animations simple yet highly effective in directing the user for further interaction.

***Technologies used:***

*Flash, ActionScript, MVC, OOP, Fireworks, Photoshop, Soundforge, XML*

**Harvard University (Campus Planning & Projects)**

*Cambridge, MA (November 2005)*

*Flash Consultant/Architect (contract,)*

- Dynamic waypoints (wpt) and wpt menu population via XML data
- Advanced zooming and Point/Click navigation
- Wpt information system

While working on the Allston Initiative there was considerable down-time while waiting on content. During those times, the Planning Dept. had me work on a Flash Mapping System prototype. I made use of layer visual permissions, wptmanagement and auto navigation to wpts. The Planning Dept. has indicated that in time they would like to further develop this prototype.

***Technologies used:***

*Flash, ActionScript, MVC, OOP, AutoCAD, XML*

## **The Other Agency - [link](#)**

*Newton, MA (December 2005)*

*Flash Developer/Designer (contract,)*

- Implemented graphic elements into dynamic flash presentation
- Physics-based motion based on user's input
- Dynamic sketch board feature based on mouse location

This is an interactive flash ad that makes use of complex animations and user interaction. I was given the basic graphic element to create this ad. The ad makes use of both timeline animation and advanced ActionScripting.

***Technologies used:***

*Flash, ActionScript, Fireworks, Photoshop*

## **Standard & Poor's Corporation**

*Boston, MA (October 2005)*

*ActionScript Developer (contract,)*

- Dynamic graph application utilizing Flash API based on user's data input
- Dynamic spreadsheet application based on user input
- Interface feedback system based on user's actions

Another developer contracting me to assist in building a dynamic graphing application that makes no use of V2 component architecture. This application makes heavy use of Flash's drawing API.

***Technologies used:***

*Flash, ActionScript*

## **LionBridge**

*Framingham, MA (June 2005 – September 2005)*

*Localization Web Technician (contract,)*

- Multimedia localization for Spanish, German, Italian, French, Portuguese, Japanese & other languages
- Flash/ActionScript QA for multimedia education applications
- Audio/Video synchronization for online instructional videos
- Extracted and reintegrated localized text and graphics for web media

I was contracted to do primarily flash edits to Microsoft's next generation of their online software education flash content. Many edits required that screen-captured video have post-recording edits be done in-house. This required advanced graphical editing layered with existing video. Often localized audio would require complete restructuring of the flash content.

***Technologies used:***

*Flash, ActionScript, Fireworks, Vegas, Sonar, Soundforge, XML*

## **Accela Communications**

*Southboro, MA (April 2005)  
Flash/Actionscript Designer (contract,)*

- Client banner ads (Ciena)
- Client banner ad (EMC)
- Client banner ad (3COM)
- Flash integrated movies for various client WebCasts

I was subcontracted by Accela to create from the ground up, client banner ads some of which were animated.

### ***Technologies used:***

*Flash, ActionScript, Fireworks, Photoshop*

## **Wild America, LLC.**

*Apsen, CO (November 2004)  
Flash, ActionScript, Audio/Video Integration (contract)*

- Intro movie
- Wild Channel explorer menu
- Wild America media player
- Wild America MIDI ring tones

I was part of the eTeam for Wild America. My main duties were to take design elements and incorporate them into the front-end. This project made use of both heavy actionscript and timeline based interaction animations.

### ***Technologies used:***

*Flash, ActionScript, Fireworks, Photoshop, Sonar*

## **Misc. Multimedia Design & Development**

*Boston, MA (January 2003 - Present)  
Multimedia Design/Development Consultant (contract)*

In addition to my full-time work as a developer, I actively seek design and development projects on the side. My clients include corporations, small business owners and individuals seeking web services. Aside from web services, I also provide professional audio services for the home studio musician. I have engaged in web design/development full-time since graduating college in December 2003.

### ***Technologies used:***

*please see skills sets below*

## **VOLUNTEER/COMMUNITY WORK**

### **Amarillo Opera: Tosca by Puccini**

*Amarillo, TX (March 1998)  
Volunteer, Extra Numerary, Chorus Member*

- Assisted cast and crew with various props and costumes
- Rehearsed and performed in the Opera's Chorus
- Acted as Scarpia's guard and as firing squad member in Acts II & III

## **Amarillo Opera's: Arts: An Alternative**

*Amarillo, TX (June 1997 - May 1998)*  
*Mentor*

- Taught children rhythm, melody and time
- Developed students' social behavior with group performances
- Organized large group activities, field trips, performances and sporting events

## **SKILL SETS/ACTIVITIES**

### **Programs**

- Flex, Flash, ActionScript
- PHP, AMFPHP, MySQL
- XML, CSS, HTML
- SVN, CVS, Source-off-site, Visual Source Safe
- Photoshop, Illustrator and Fireworks
- AutoCAD, Maya, ZBrush, TrueSpace and Swift3D
- Sonar, Reason, Cubase, DP3, Finale, Power Tab and Pro Tools LE/TDM

### **Music**

- Traditional music theory, jazz harmony, ear training, conducting and transcribing
- Guitar technique for advanced finger-style, classical, flamenco, country, rock, neo-classical, fretboard theory, advanced arpeggios and teaching
- Orchestral and contemporary composition and arranging

### **Interest & Activities**

- Mountain biking, hiking, camping, weight lifting
- drawing, architecture, technology
- trigonometry, physics, puzzles, finance and politics

## **EDUCATION**

### **Berklee College of Music**

*Boston, MA (September 2000 – May 2003)*  
*B.A. in Professional Music – GPA:3.4*

### **Amarillo College**

*Amarillo, TX (September 1996 – May 2000)*  
*A.S. in Applied Music – GPA:3.6*

## **REFERENCES**

**Provided upon request.**